

Professor Robert Byer
Stanford University



EDUCATION

Stanford University

Ph.D., Applied Physics, 1969

M.S., Applied Physics, 1967

University of California, Berkeley

B.A., Physics, 1964

WORK EXPERIENCE

Stanford University, 1969 - Present

Chairman, Department of Applied Physics, 1999 - 2002

Director, Hansen Experimental Physics Laboratory, 1997 - Present

Co-Director, Stanford Photonics Research Center, 1992 - Present

Vice Provost and Dean of Research, 1987 - 1992

Associate Dean, Humanities and Sciences, 1984 - 1986

Chair, Department of Applied Physics, 1980 - 1983

Professor, Applied Physics, 1979 - Present

Assistant Professor, Applied Physics, 1969 - 1974

Associate Professor, Applied Physics, 1974 - 1979

Spectra Physics, 1964 - 1965

AREAS OF EXPERTISE

Laser diode pumped solid state lasers, nonlinear optics, nonlinear materials, optical parametric oscillators, Coherent Anti-Stokes Raman Spectroscopy (CARS), laser remote sensing, laser interferometers for gravitational wave detection, laser driven electron particle acceleration.

PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS

IEEE Third Millennium Medal; A.L. Schawlow Award; R.W. Wood Prize; Quantum Electronics Award; Quantum Electronics Awards; R.V. Pole Memorial Lecture; Adolph Lomb Medal; I.B.M. Fellow; Fellow, American Academy for the Advancement of Science; Fellow, American Physical Society; Fellow (and Former President), Lasers and Electro-Optics Society of the IEEE; Fellow, Laser Institute of America; Fellow (and Former President), Optical Society of America; Member, Secretary of Energy Advisory Board, National Ignition Facility; Member NRC Board of assessment of NIST; Member and Former Chair, California Council on Science and Technology; Member, National Academy of Science; Member, National Academy of Engineering.